TEJUS
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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Improvements to Road,Drain and Footpath in LKR nagara main road and cross roads in ward No.8 Kodigehalli
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.Pramodh M/s Karthik Enterprises
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size			Proposed Use	Drain
Sample Location	Plant			Date of Sampling	16/10/2017
				Date of Testing	16/10/2017
IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	83	83	2.77	97.23	95-100
20.00mm	1565	1648	54.93	45.07	30-70
10.00mm	785	2433	81.10	18.90	10-35
4.75mm	470	2903	96.77	3.23	0-5
Pan	97	3000	100.00	0.00	

Remarks : Satisfactory / Not Satisfactory

TEJUS CONSULTANTS

Consultant's Representative

W.O.

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Bangalore.

TEST REPORT

TEJUS CONSULTANTS

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Improvements to Road,Drain and Footpath in LKR nagara main road and cross roads in ward No.8 Kodigehalli
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.Pramodh M/s Karthik Enterprises

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	M Sand	Proposed Use	Drain
Location/Source	At Plant	Date of Sampling	16/10/2017
Soaking	24 hours	Date of Testing	16/10/2017

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample g	630	635	645	
B	Weight of oven - dry sample gm.	620	624	636	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1672	1676	1681	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.661	2.667	2.661	2.663
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.613	1.763	1.415	1.597

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Improvements to Road,Drain and Footpath in LKR nagara main road and cross roads in ward No.8 Kodigehalli
Consultants	Tejus Consultants, Bangalore
Contractor	Sri.Pramodh M/s Karthik Enterprises

SIEVE ANALYSIS

Total Weight:	3000	gms			
Type of Material	M Sand		Proposed Use	Drain	
Sample Location	At site		Date of Sampling	16/10/2017	
			Date of Testing	16/10/2017	

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-III)
10.00 mm	0	0	0	100.00	100
4.75 mm	254	254	8.47	91.53	90 - 100
2.36 mm	285	539	17.97	82.03	75 - 100
1.18 mm	432	971	32.37	67.63	55 - 90
0.600 mm	524	1495	49.83	50.17	35 -59
0.300 mm	622	2117	70.57	29.43	8-30
0.150 mm	744	2861	95.37	4.63	0 - 10
Pan	139	3000			-

Remarks : Satisfactory / Not Satisfactory

Consultant's Representative

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Test Report on Cement

Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Lottegollahalli Main Road
Sample ID	Cement
Date of Sample Tested	19/10/2017
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	38 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	322 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	2mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	

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Test Report on Cement

Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Lottegollahalli Main Road
Sample ID	Cement
Date of Sample Tested	19/10/2017
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	34 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	316 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	2mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Consultants	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	Drain	
Sample Location	at Plant		Date of Sampling	19/10/2017	
			Date of Testing	19/10/2017	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	592	592	5.92	94.08	90-100
10.0	3114	3706	37.06	62.94	40-85
4.75	6145	9851	98.51	1.49	0-10
Pan	149	10000			

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli	
Consultants	TEJUS CONSULTANTS	
Contractor	Sri.Pramodh M/s Karthik Enterprises	
Total Weight:	9500	gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	Drain	
Sample Location	at Plant		Date of Sampling	19/10/2017	
			Date of Testing	19/10/2017	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	590	590	6.21	93.79	90-100
10.0	2854	3444	36.25	63.75	40-85
4.75	5680	9124	96.04	3.96	0-10
Pan	376	9500			

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.Pramodh M/s Karthik Enterprises
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	20 mm down size	Proposed Use	Drain	
Sample Location	Plant	Date of Sampling	19/10/2017	
		Date of Testing	19/10/2017	

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	272	272	2.72	97.28	95 - 100
10.00 mm	4786	5058	50.58	49.42	25 - 55
4.75 mm	4590	9648	96.48	3.52	0 - 10
Pan	352	10000			

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli	
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	
Contractor	Sri.Pramodh M/s Karthik Enterprises	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	20 mm down size	Proposed Use	Drain	
Sample Location	Plant	Date of Sampling	19/10/2017	
		Date of Testing	19/10/2017	

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	365	365	3.65	96.35	95 - 100
10.00 mm	4915	5280	52.80	47.20	25 - 55
4.75 mm	4522	9802	98.02	1.98	0 - 10
Pan	198	10000			

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.Pramodh M/s Karthik Enterprises
Total Weight in g	3000

SIEVE ANALYSIS

Type of Material	40 mm down size			Proposed Use	Drain
Sample Location	Plant			Date of Sampling	19/10/2017
				Date of Testing	19/10/2017
IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	85	85	2.83	97.17	95-100
20.00mm	1563	1648	54.93	45.07	30-70
10.00mm	782	2430	81.00	19.00	10-35
4.75mm	474	2904	96.80	3.20	0-5
Pan	96	3000	100.00	0.00	

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.Pramodh M/s Karthik Enterprises

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	M sand	Proposed Use	Drain
Location/Source	At Plant	Date of Sampling	19/10/2017
Period of Soaking	24 hours	Date of Testing	19/10/2017

Sl. No	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample g	655	650	645	
B	Weight of oven - dry sample gm.	645	642	636	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1688	1687	1678	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.665	2.697	2.628	2.664
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.550	1.246	1.415	1.404

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Consultants	Tejus Consultants, Bangalore
Contractor	Sri.Pramodh M/s Karthik Enterprises

SIEVE ANALYSIS

Total Weight:	3000 gms				
Type of Material	M sand		Proposed Use	Drain	
Sample Location	Plant		Date of Sampling	19/10/2017	
			Date of Testing	19/10/2017	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-III)
10.00 mm	0	0	0	100.00	100
4.75 mm	255	255	8.50	91.50	90 - 100
2.36 mm	284	539	17.97	82.03	75 - 100
1.18 mm	433	972	32.40	67.60	55 - 90
0.600 mm	528	1500	50.00	50.00	35 -59
0.300 mm	623	2123	70.77	29.23	8-30
0.150 mm	742	2865	95.50	4.50	0 - 10
Pan	125	2990			-

Remarks : Satisfactory / Not Satisfactory

TEJUS CONSULTANTS

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.Pramodh M/s Karthik Enterprises

SPECIFIC GRAVITY AND WATER ABSORPTION FINE AGGREGATE (IS-2386-PART-3)

Type of Material	M sand	Proposed Use	Drain
Location/Source	At Plant	Date of Sampling	19/10/2017
Period of Soaking	24 hours	Date of Testing	19/10/2017

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample g	660	635	645	
B	Weight of oven - dry sample gm.	651	628	634	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1688	1676	1682	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.636	2.684	2.664	2.661
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.382	1.115	1.735	1.411

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Improvements to Road,Drain and Footpath in Lottegollahalli Main Road and abutting Cross Roads in Ward No.8, Kodigehalli
Consultants	Tejus Consultants, Bangalore
Contractor	Sri.Pramodh M/s Karthik Enterprises

SIEVE ANALYSIS

Total Weight:	3000 gms				
Type of Material	M sand		Proposed Use	Drain	
Sample Location	Plant		Date of Sampling	19/10/2017	
			Date of Testing	19/10/2017	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	264	264	8.80	91.20	90 - 100
2.36 mm	285	549	18.30	81.70	75 - 100
1.18 mm	432	981	32.70	67.30	55 - 90
0.600 mm	527	1508	50.27	49.73	35 -59
0.300 mm	626	2134	71.13	28.87	8-30
0.150 mm	749	2883	96.10	3.90	0 - 10
Pan	120	3003			-
Remarks :			Satisfactory / Not Satisfactory		

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Test Report on Cement

Project	Improvements to Road,Drain and Footpath in Devinagar Main Road and Cross Roads in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	Devinagar Main Road
Sample ID	Cement
Date of Sample Tested	26/10/2017
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	34 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	321 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	2mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	

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